



AcuTurn

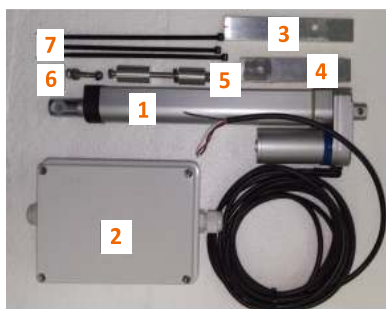
24VDC Trolley Actuator

A SAFE AND COST EFFECTIVE REPLACEMENT

EmTech is aware of safety and maintenance issues regarding the GC84 230VAC electrical actuator used in older Buckeye and Chick Master setters. Servicing and replacement of these actuators has also become more difficult as prices rise and lead times lengthen.

One of the major issues associated with the GC84 actuator is that when operating from 230VAC there is a very real risk of electrocution. This is because the unit is unable to withstand water penetration from pressure washers and trolley washers. The unit does display an IP55 rating but this is negated due to the groove cut into the shaft to operate the level limit switch. At the very least this actuator requires regular testing under typical portable appliance testing (PAT) regulations, unlike the EmTech actuator.

All setters in the EmTech product range have been developed to operate using a 24VDC actuator, which is capable of delivery 1000N operating force. The actuator is completely safe and now available as a retrofit to replace the GC84 230VAC unit. The advantage with the EmTech actuator is that it's IP66 rated and able to withstand pressure washing. The system is also fully compatible with the Genesis 2 and Genesis 3 controls that operate with the trolley turn identification and failure system.



Trolley Actuator Retrofit Kit

1. EmTech 24VDC trolley actuator
2. 24VDC to 240VAC interface Unit
3. Drilling jig (rear pivot 1)
4. Drilling jig (rear pivot 2)
5. Rear pivot assembly
6. Front clevis bolt assembly
7. Cable ties

Easy to Install

The EmTech actuator is very easy to install, requiring removal of the u-shaped bracket and the drilling of a new mounting hole further to the back of the base frame. The actuator is then mounted with a 6mm bolt and spaced centrally using aluminium bushes.

Wiring is a simple operation and the existing setter plugs and sockets can be reused. An interface module is supplied and connects into the existing trolley socket wiring, positioned on the setter roof. Assemblies for larger setters can be wired into one communal enclosure.

